

constructed from a deformable material that seals at high pressures including an outer surface conforming to the inner surface of said stator and an inner surface conforming to the outer surface of the cable.

1  
Claim 6/ (Once amended) [The rotary cable treatment assembly according to claim 1] A rotary cable treatment assembly comprising:

a stator formed from a first generally semi-cylindrical shell having an inner surface and an outer surface with a proximate endwall located along a first end of said shell and a distal endwall located along a second end of said shell, a second generally semi-cylindrical shell having an inner surface and outer surface having both proximal and distal endwalls forming a mirror image of said endwalls of said first shell, said first shell being securable to said second shell thereby defining a cavity therebetween with each said endwall cooperating to form an aperture adapted to encircle a cable [having a non-circular cross section] traveling axially through said stator;

a rotor assembly rotatably secured within said cavity, said rotor assembly having a centrally located aperture designed and arranged to fit around the cable traveling axially through said stator, said rotor assembly including a means for hydraulically sealing to said stator and to the cable;

a high pressure fluid input port;

wherein a cable is passed between the proximal and distal apertures of said stator and said rotor whereby the cable [is] may be subjected to [said] a high pressure fluid allowing fluid impregnation to cable strands with minimal fluid loss from said assembly wherein said first and second shell includes a sealing ring therebetween.

6  
Claim 7. (Once amended) The rotary cable treatment assembly according to claim [1] ~~6~~ wherein said [fluid is a lubricant injected at] first shell being securable to said second shell to withstand about 3000psi.

7  
Claim 9. (Once amended) The rotary cable treatment assembly according to claim [1] ~~6~~ wherein said rotor can be sized to have an inner surface diameter to accommodate a cable of any size diameter.

Claim 10. (Once amended) [The rotary cable treatment assembly according to claim 1] A rotary cable treatment assembly comprising:

a stator formed from a first generally semi-cylindrical shell having an inner surface and an outer surface with a proximate endwall located along a first end of said shell and a distal endwall located along a second end of said shell, a second generally semi-cylindrical shell having an inner surface and outer surface having both proximal and distal endwalls forming a mirror image of said endwalls of said first shell, said first shell being securable to said second shell thereby defining a cavity therebetween with each said endwall cooperating to form an aperture adapted to encircle a cable having a non-circular cross section traveling axially through said stator;

a rotor assembly rotatably secured within said cavity, said rotor assembly having a centrally located aperture designed and arranged to fit around the cable traveling axially through said stator, said rotor assembly including a means for hydraulically sealing to said stator and to the cable;

a high pressure fluid input port;

wherein a cable is passed between the proximal and distal apertures of said stator and said rotor whereby the cable [is] may be subjected to [said] a high pressure fluid allowing fluid impregnation to cable strands with minimal fluid loss from said assembly wherein said rotor can be formed from a single piece of material with a means for spacing [the hydraulic seals] said means for hydraulically sealing.

8  
Claim 11. (Once amended) The rotary cable treatment assembly according to claim [1] ~~8~~ including a means for measuring the amount of pressure in said cavity.

9  
Claim 15. (Once amended) The rotary cable treatment assembly according to claim [1] ~~8~~ wherein the cable has a non-circular cross section.

Cancel claims 1 and 8.